

PERSONAL INFORMATION

Francesca Caringella

-  OMISSIS
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-  francesca.caringella@uniba.it

Sex F | Date of birth 30/08/1991 | Nationality Italian

POSITION

PhD student in Animal health and Zoonoses

WORK EXPERIENCE

12/02/2018 – in progress

PhD student - Research Doctorate Course XXXIII cycle: "Innovative research doctorate with industrial characterization".

Department of Veterinary Medicine - University of Bari, Aldo Moro

- Virology research using massive sequencing (NGS) within the project: "Cattle enteric virome: development of a protocol based on NGS methods for diagnostic application".
- Identification of emerging viruses of domestic animals through classical virology and molecular biology techniques.

Sector Viral Metagenomics, Viral discovery.

EDUCATION AND TRAINING

September 2019 -December 2019

Internship in University – Leuven, Belgio

Rega Institute for Medical Research. Laboratory of Viral Metagenomics.

Department of Microbiology and Immunology - University of Leuven – Belgium

Development of a diagnostic pipeline, optimization of universal amplification protocols for cattle enteric virome.

- Laboratory training activities related to specific research topics
- Sample preparation and management: viral enrichment techniques
- Wet lab: preparation of genomic libraries by Nextera XT DNA - Illumina kit; purification with AMPure beads; quality check by Bioanalyzer.
- Sequencing on NextSeq - Illumina platforms
- Bioinformatic analysis on server CentOS

March 2019 -June 2019

Internship in company - Turin

In3Diagnostic, Grugliasco – Turin, Italy

Development of a diagnostic pipeline, optimization of universal amplification protocols for cattle enteric virome.

- Training and problem-solving activities concerning specific research topics.
- Bioinformatics: sequence analysis from NGS Mi-Seq and Next-Seq runs using software platforms such as Geneious version 10.0 (Biomatters, NZ).
- Learning mapping methods and assembly with particular attention to terminal-based methods.
- Preparation of diagnostic pipelines for semi-automatic analysis of NGS data.

19-23 February 2018

Training Course: "Studying and working safely in laboratories of biological, chemical and pharmaceutical departments"

Department of Pharmacy-Pharmaceutical Sciences - University of Bari, Aldo Moro

- Identification of risk factors and application of the safety measures required in laboratories;
- Prevention, protective measures and correct use of personal protective equipment (PPE).

November 2017-February 2018

Training internship in Veterinary Clinic

"Ospedaletto degli animali", Bari (BA)

- Dog and cat visit and containment
- Sample collection for rapid diagnostic tests, cytology and histology
- Hospital management, hospital emergency patient and administration of medication
- Execution of diagnostic tests
- Elements of veterinary surgery

April 2017 - September 2017

Post-Graduate internship at the laboratories of the Department of Veterinary Medicine, Infectious Diseases Unit - Bacteriology

University of Bari, Aldo Moro.

- DNA/RNA extraction
- PCR, Real-Time PCR and electrophoresis
- Sampling and microbial culture
- Urine culture
- Antibigrams
- API test kits for identification of Gram positive and Gram negative bacteria

June 2017

Veterinary Medicine License (Habilitation)

University of Bari - Aldo Moro, Department of Veterinary Medicine

Veterinary professional Habilitation test successfully passed

2015 – 2017

Undergraduate training internships

University of Bari - Aldo Moro, Department of Veterinary Medicine

- Internship (night and holiday shifts) at: "Santa Fara Veterinary Hospital" - Bari
- Internship at the department of veterinary medicine - University of Bari in the units: surgical clinic, first aid, obstetric clinic, medical clinic
- Intern student at the department of veterinary medicine - infectious diseases unit of Bari
- Training at UVAC-PIF of Bari
- Internship at the Experimental Zooprophyllactic Institute of Putignano

19-23 February 2018

"Laurea Magistrale" (Master's Degree) in Veterinary Medicine

University of Bari - Aldo Moro, Department of Veterinary Medicine

Title of the thesis: "Equine hepacivirus persistent infection in a horse with chronic wasting" ("Infezione cronica da equine hepacivirus in un cavallo con epatite apparente").
Supervisor: Prof. G. Elia

2005-2010

Secondary school/High school (specializing in classical studies)

Liceo classico "Socrate" - Bari (BA)

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Communication skills I have good communication skills acquired during my experience as a PhD student: I held practical lessons in the laboratory of Veterinary Medicine Department in support of my supervisor.

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

- Excellent knowledge of Microsoft Windows.
- Excellent knowledge of "Microsoft Office" (Word, Excel, PowerPoint)
- Excellent knowledge of the main applications for e-mails management
- Good knowledge of bioinformatics analysis, using tools on server CentOS
- Basic knowledge of R programming language

Driving licence B

ADDITIONAL INFORMATION

Publications

- **Caringella F.**, Desario C., Lorusso E., Pallante I., Furlanello T., Lanave G., Elia G., Martella V., Iatta R., Barrs V. R., Beatty J., Buonavoglia C., Decaro N., 2019. Prevalence and risk factors for *Felis catus* gammaherpesvirus 1 detection in domestic cats in Italy. *Veterinary Microbiology*, 238, 108426. doi: 10.1016/j.vetmic.2019.108426.

- **Caringella F.**, Elia G., Decaro N., Martella V., Lanave G., Varello K., Catella C., Diakoudi G., Carelli G., Colaianni M.L., Bo S., Buonavoglia C., 2019. Feline calicivirus infection in cats with virulent systemic disease, Italy. *Research in Veterinary Science*, 124, 46-51. doi: 10.1016/j.rvsc.2019.02.008.

Conferences

- Oral presentation at the XIX National Congress S.I.Di.L.V. - Matera, 23-25 October 2019. **Caringella F.**, Desario C., Pallante I., Furlanello T., Lanave G., Elia G., Martella V., Iatta G., Lorusso E., Barrs VR, Buonavoglia C., Decaro N., 2019. "Identification of *Felis catus* gammaherpesvirus 1 in the domestic cat and risk factor analysis."
- Oral presentation at the XVIII National Congress of S.I.Di.L.V. – Perugia, 7-9 November 2018. **Caringella F.**, Lanave G., Lorusso E., Larocca V., Colitti B., Tittarelli M., Martella V., Decaro N., Elia G., 2018. "Identification and characterization of bovine hepatitis virus in Italy".
- I participated in the writing of the poster entitled "In vitro virucidal activity of sodium hypochlorite on type 2 dog parvovirus" Cavalli A., Marinaro M., Desario C., Catella C., **Caringella F.**, Buonavoglia C., presented at the XVIII National Congress of SIDI.LV Perugia 7-9 November 2018.

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09/12/2019

Francesca Caringella